

IN THE CLAIMS:

Claims 1-9. (Withdrawn)

10. (Currently Amended) A method for making wallboard, comprising:
combining at least fly ash, water and at least a first binder to provide a composition
having a viscosity, said fly ash being in the range of about 60%-66% by weight, said water
being in the range of about 31%-37% by weight and said at least first binder being in the
5 range of about 1.8%-2.4% by weight; and

joining first and second members to upper and lower portions of said composition
when said viscosity is at least about 600,000 centipoise; ~~and~~
~~completing said wallboard after said joining step.~~

11. (Original) A method, as claimed in Claim 10, wherein:
said at least first binder is part of a binder solution that includes at least portions of
said water and remaining portions of said water being part of a foamable substance and in
which said foamable substance includes a second binder that is one of: compatible with and
5 equivalent to said first binder.

12. (Original) A method, as claimed in Claim 11, wherein:
each of said first binder and said second binder is different from polyvinyl acetate and
includes polyvinyl alcohol.

13. (Original) A method, as claimed in Claim 10, wherein:
at least portions of said at least first binder are part of a binder solution with first
portions of said water and remaining portions of said at least first binder are part of a
foamable solution with second portions of said water and said combining step includes
5 introducing separately each of said fly ash, said binder solution and said foamable solution
to a mixer.

14. (Original) A method, as claimed in Claim 10, wherein:

~~said joining step includes locating said first member on a conveyor and receiving~~
portions of said composition in a slurry on said first member and subsequently locating said second member on said portions of said composition.

15. (Original) A method, as claimed in Claim 10, wherein:

said combining step includes monitoring viscosity of said composition output from a mixer.

16. (Original) A method, as claimed in Claim 10, wherein:

said combining step includes controlling using a control system at least one of a first pump mechanism and a first valve device in communication with at least a first vessel containing at least some of said at least first binder.

17. (Original) A method, as claimed in Claim 16, wherein:

said combining step includes outputting a desired amount of said fly ash from a second vessel containing at least said fly ash using said control system.

18. (Original) A method, as claimed in Claim 17, wherein:

said combining step includes regulating production of a foamable substance that includes at least some of said water using said control system and at least one of a second valve device and a second pump mechanism.

Claims 19-21. (Canceled)

22. (Currently Amended) A method, as claimed in Claim 10, wherein:

after said ~~completing~~ joining step, said composition is essentially homogenous in that, for each cross-section thereof, an area of .1 square inch is essentially the same as any other area of .1 square inch.

23. (Original) A method, as claimed in Claim 10, wherein:
said combining step includes introducing fibers to said composition in an amount less
than 1% by weight.

24. (Canceled)

25. (Currently amended) A method for making wallboard, comprising:
combining at least fly ash in the range of about 60%-66% by weight, water in the
range of about 31%-37% by weight and at least a first binder in the range of about 1.8%-
2.4% by weight to provide a composition having a viscosity; and
5 joining first and second members to upper and lower portions of said composition;
and
~~completing said wallboard after said joining step.~~

26. (Canceled)

27. (Currently amended) A method for making wallboard, comprising:
combining at least fly ash, water and at least first portions of a first binder in
providing a composition having a viscosity;
monitoring said viscosity of said composition;
5 controlling based on said monitored viscosity at least one of a first pump mechanism
and a first valve device in communication with at least a first vessel containing at least
second portions of said at least first binder before said at least second portions are combined
with at least said fly ash; and
joining first and second members to upper and lower portions of said composition;
10 and
~~completing said wallboard after said joining step.~~

28. (Currently amended) A method, as claimed in Claim 27, wherein:

said controlling step includes using a control system to control said at least one of
said first pump mechanism and said first valve device.
